Sequence Listing

<110> Rudland, Philip S.

Barraclough, Roger B.

<120> Metastasis Inducing DNA's

<130> WPT 0114 PUS

<140> US 09/101,423

<141> 1998-11-27

<150> PCT/GB97/00074

<151> 1997-01-10

<160> 6

<210> 1

<211> 1033 base pairs

<212> DNA

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<400> 1

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CTGAGGACCC TTCACGTAGC CTCCCATCTG GATGACCTAG TAGAAGACGT GGGAAGTTGT 180

CACACTCAGG TAACTGAGCA GAGCTCAGAG ATTTAAAGTG AGTCTGGGGA GCCTCGAGGA 240

TTGATCTGCT GCCTTAAAAA GCCAATTGGA TGACTAACCC AGACTATTGT CACTTTAGGT 300

GGGAAGTCAC TAGCATATCT GATGGGTCAC ATCTGAGAAA GGTTTCTAGC AGTGGTGGCC 360

TTGTGTGAGC AGCATGGCGT GTATCATGGT GTGCAGCATA CTCAGGCTGC TTGCAACACT 420

CGAGGCTCTT CTTCAGTATT AGGGGAACCA CTGGTGTTGA ACATGGTCCA AGAATACAGT 480

CATGTGAGGA GAATCCCAAT GCGTCAGGAG AAAACGAGAG TCTGTGACCT CCATTCTTCA 540

AGATACAGAA TTATTCTTGG ACTGTGTTTT CATGCTCCTT GTGGATGGGA GTGAGTTTAC 600

TTCAGGTTAA TCAGCATTGC TTACTGTTGG TATTCAAGTA AATGCTTAAA TTATCCTGGA 660

TATACCTCTG TGGGAAGCAG GTTTTTGATA CATGCAGCTT GTCCTTGTGA TTGATACTGC 720

TTGAACTCAA GAGAACTTTG CTCATGTGAT CTTTCTTAAC CGATGGAGTA GAAACTGTCT 780

GATGCTCTCA ATAAAGTTGG CTCTTGCACG AGACGTTAGT CTGTCCTGTT TATCTGCTCC 840

ATTCTTCCGC TCCCACGGCC TCTACAGCAC TAAACCCACC ACCGATAGAC TCAGTCTTTC 900

ACTGACAAAC ATCACCAGAG GCTCTTAACT GAGATTATAA ACTGTTACTA GATGATGGGT 960

GGAATCGCTC CCCAGAAACA TAAACATTTA CTTGGAGAAC TCAAGACCCC TTTGTAGACA 1020

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GGTAAAGGAA AGACAGCACG TTAAAGTCCA AACAGCTCCA GGAGACTATC TGTAGAAATA 240

ACATCAGACC ATGAGGAGAA TTGATATCAT TGTTTTTCAA TGGGTATCGC CAAGGGAACT 300

TTCCATCTGA TTAAAAATAA TTACTGCTGG CACTAAATCC AATTGGAAAT GCCCCACACA 360

ATTTATCTTC CACTTCATGC TGCTACCATA TGCCTGACGT GGCGGAGCAG AAGCATTCCC 420

TCCCGTTCTG ATAAATAGTA CTTTGTAAAT ATTTGGAGAC GGGAGCTCTG GTGACAGGGA 480

ACACGTACAA ACCGGCCTGT TTATCATGTT CCCGATAGAG GCCCTCTTTG ACGTACAGGA 540

CCCCAAAACA GTCAGGATGC TGTGAATTTC CTTCCATGAA GCCTTGTTCA CAATTAGCAA 600

CCATTGGAGG AAGCAGGCTG CACTGTCTAC CACAAGTGGC ACTTTCCAAA GAGCACACAT 660

ATATTGGAGC AAGACATTTT GCTGGCTGAC TGGTGCTGTG TAAGCTGATA AACTGCTATA 720

TTTATTAAAC TGGCTTTTCT TTGAACACCC CACTCAAGGA AAAAAAAACA CACTTAGGGT 780

GACATTATTT GGAGATGAAG TCTTTATAGA GATGCTTAAG TTTAAACGAG ACTTTTAAAG 840

CCGGCTCTAT TCCATTTAAT GAATGGTGTC CCTACAAAGG AAGAAACTGG GACAGAGGTA 900

TGTACACTTG TGTGTGTGTG AGAGACAACG TGAGGAGCTG AAGAGGAGCA
CGTACAAGTC 960

AGAGAAAGGC TGACCCTTAT TCACACTGAG CAAACCAGTC ATGTGTGGGT
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GAGTATCCCC CAAGACTCAC ACATTCGAAC GCTTGGTC 1058

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<400> 3

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CAGCAGCATA 120

AGAACACAAT CACAAATAAA AAAAATCTTG AAAAATTTTA AGCTAAAATT
GTTAAGAAAT 180

AACATATATA CAATTTTTCT TTATTTTTTT AAAGATTTAT TTATTTAATG
TATATGAGTA 240

CACTGCCTCT CCCTCCAGAC ATAGCAGTAC AGGGCATCGG ATCCCATTAC
AGATGGTTGT 300

GAGCCACCAT GTGGTTTCAC AGATGGTTGT GAGCCACCAT GTGGTTTCAG
GAATTGAACT 360

CAGGACCTTT GGAAGAGCAG TCAGTGCTCT TAACCTCTAA GCCATCTCTC CTGACCCTTA 420

TATACAATTT TAATGCTACG TACACACAAC TTCTCTTTCC TTTAATGGTT GAGATTTTTG 480

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CAGCGTGTTT AAAGTAGGAA TGCCATGAAA TGACTGGCCT GCCTTCTCAT TACTGTTCCT 600

CCCACTCCTC CTTTTAACTG GAGCTCCTTT ATCTAATTTA TTAGTTTGAC GATACCCAGG 660

GTTTTCTTCT GTTTTGATCT TTTTAAGACA GAGACTCACC ATATAGCCCT GGCTGGCCTG 720

AAGCTCACTA TGTAGACCAG TCTGGCCTTG AACTCAAAGG AGATCTATCT GCTTCCTAGT 780

GCTGGGATTA AAGGCTTGTG CTACCAAGTC TGGTCTGAGG CTTTGGAGCA GCCTCGGTTT 840

TGGCCTTCTT TAAGGATCTC TAAGCTAGCA GTAAGTAGCC TAGCCATGCT GTTGTAGGAA 900

GTTGTTCGTT CATCCTGGCT CCAGCACAAA GGCAGTCACT AAACGTCGGC CTCATTTCAT 960

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1008

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<212> DNA

<213> Homo sapiens

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GGTAATTAAA AGCTCTCTCC CAGTGGCCTT TCCTGTTTTT GGCTCTGGGA GGCGAAGGCA 180

TTGAGAGGGA TGCAGGCATT CTAAGGGCTG GTTCTTGGTT TCTCCCTTCC CCTCTGTCCA 240

AACTCAGTGA GGTATCCCTG TCTGTGCTGT CCTTAGAGTG CCGTCCTGAG GCCTTGGTGA 300

GTTAAGGTCT CTGGATCTGA GCTGCCTCAG GGAAACGCAT GAGCTCATTG GAAAGGGGAG 360

AACCAGGCAA AGGTGTTGGC TGTGACCTCA GAATTCTGAG GGGCAAAGGT TCAAGGCTAA 420

CTCTCATTAT AGAGCAAGTT TGAGACTGGC CTGGGAACAA AAATATAAAG TGAGTGAGGT 480

CATATGACAG CACCTGAGGA GTCCTGTCCC TAGAGATCAT AAGGACCTGG CTGCTGGGGA 540

CTTGTTGCAG ATGGCACTTT GTGTCGAGAG AGGGGACCTG CCCCAGCATG GGAGGCCCTG 600

GAAGATCCTC TGGATTAACT GTGAACACTG ATTGCTGCTT TATACCTGGA GTTGTGCTGT 660

TATCTGGTAC ACATCTGCTG GGTGAATGAG TTCATGGGCT TTATTTCAGT GAGGTATTTA 720

CCTGAGGAGA AAGAAGGACT GGTGCCACAA AGCACAGCTT TTAAATCTGT GGGTTGTGAC 780

CCATTATGGA CTATCATAAC TGAGTGCAGG TATCAAGAAT ACTTTAGCAG GTGGTAAAAA 840

GATTTTTGAA TGCGCAACGA CCAAAACTGA ACTCAAAAAT CAAGCATGGC ATGGATCCTG 900

GGTGCTCCTG GAAGCACTTG CCTTTACTGC ATTGTGCGAC TTGACGGTAG CCTTGGTTCT 960

GAATGCACAA CACGTGGGCT TTGGGCTGCA CAGGCCACCA CGCCGTGCCT GAAACACCTC 1020

AGCTCAGGTT TGTGGCTATG TCCTATGACT TGGACTTACT TTTATTGCAC
ATATAAATAT 1080

TTTCCTGC 1088

<210> 5
<211> 960 base pairs
<212> DNA
<213> Homo sapiens

<400> 5
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TGAATCTGAC 120

ATGAGAAAAA CAGATCAGAA ACGTTCTTGT GCTTCAGAAA AGGACAAGTG
TGTGAGCTAA 180

CAGACTGCAC ACTGGTGTTC GAGGCACATC TGGATCACAG GAGCGTCAGA
TAATGTCCCC 240

AAAGGTAAAT GCATTTGCTT GCACAGTACC GAGTGTGGTG GGGGGTGCCT
ACAGCCCAGC 300

GGTTCTCAAC CTTCCTGATG CTTCGACCCT TTAATACAGT GCCTCATGCT
CTGGTGACCT 360

CCCCAACCTT AAAATTATTT TTGTTGCTGT TCATAACTGT GATTTTGATA
CTGTTATGAA 420

TTGTAATATA AATAATTTTG AAGAAAGAGG TTTGCCAAGG GTTTGAGAAC TGCTGTTCTA 480

GCCCCACGTG GATGGTTTTT CGTCATTTGG GGTTTTTATG AGGCAGAGTC TTATGTAGCC 540

CAGGCTAGCA GCCTAGAATG TGCTACTTAG CTGAGGAATA ACCTTGGAAC TTCTGAGGAC 600

TGGAGAGACT GGCTTAGTCC TCAAGAAACT GGAAATAGCT GGAGTTTGGC TACTTGTGGG 660

TTCCTTTTTC TTCAAACCTT TTCTACTCTT TTTCCACCCT GTCGGCCCCC TAACACTAAA 720

TAAGAAAGAG AAAGGGGAGC ATAGAGGGGA AAAGAAACCC CTGAATAACG TCAGTAGTTG 780

GCAAAGGGGG GTGACATATG TTGTCATTAG ACCACATCCT GGTGATTAAG GGGAGTCAAG 840

TTCCTTGGGG CAAGTTTGAT CTTTCGTGTA ACGATATCTA ATTTCTTCTC CCTGTTGCTT 900

CGTCTTTGTG AACAACGACT TGATAACCCA CAATGGACCA TCAACCAACC AACCAACCAT 960

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<212> DNA

<213> Homo sapiens

<400> 6

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GTGTTCTACT GTCAGATGTG TAGCTGTTCC TGTCCACTGA CTTTCAAGCT GTCTCTGTGT 180

GCAGGAACCA GAAGGGCCTG TCCCTACTTC TACTGGGCCC CTACGCACAG GGGGCCTAGA 240

TGGTGCTAGG TGTTTTCCTC TAGAGCCTGA AATGTGGGCA GAGAGTAGTC TCCTCTGGTT 300

TCCTAGGTAT GTCTTCCCCT CTGAAGGTCT AGCTCTCCCT TCCATGGGAT ATGGGTGCAG 360

GGAGCTGTTT GACCAGGTCC TCTCAAATCC GGGTGCAGTC TGGACCGCAG GCTCCTGTAG 420

CTTGCCTGCT GCAATCTTCC CGCACCCAGA GGCACCCAAG TTTCCTCTTG GGCCAAGGAT 480

GTGGGCAAAG GTGGGCAGAA GTGGCAATCT CTCCTGCCCT AGCGTCTCAG GATTGCCCTC 540

ACTTCTGGGC AATCCGCTCT CTCTTCCACA GGGTTTGGGA GCAGGGAGCT GTGGGCCGGT 600

ATCAGGCAAA GGTTTGAGGC AACCAGTTAG AAACTGGAAG TGTCAGGTCC
CAGAGGAATT 660

B1 concluded

TTGCCTTTGT GTGTCCTGAG TCCACCAGGC AGGTCACTTG GAGCAGAAAA
ATTGGTTTTC 720

CCCTCGGTCT CAGGCCTGAA GTTGCACCTC AGGGTTGGCT TTCAGCTGTA
CCTGTGGAAA 780

GTATGGTTTT AAAAATCTAA GATAGCTATC ATGCAGCAAG GCTTGTGTAA
AATGTCTATT 840

TGGTTCCTTT ATGACTTACT TTTGCTGTAC TGAGGATCAA ACCTAGGGTC
TCAAGCAGTC 900

ATCACAATTC TCTGTCACTG ATCCAGCTCC ATTTCTATTT TCTTTTGTCC
CGCGCGATCT 960

CTCGCCAGCA AGAAAACACG CTAGGGACAT ACGAATCCTT GCTGCAGCCA
AAACTTTTAT 1020

TGAATCTTAA GGAGAAGCCC GCGCACCGGA CTGGCGCGGT TTATATACAC
CCTAGCACAG 1080

TGCATCCACA 1090